

**WATER POLLUTION CONTROL AUTHORITY
REGULAR MEETING MINUTES
JANUARY 21, 2016**

Chairman Ron Merancy called the Regular Meeting to order at 6:00 PM with the following in attendance:

MEMBERS:

Ron Merancy, Chairman
Catherine Aresta, Secretary
Pat Mallane
Jeff Hanson

OTHERS:

Jim Stewart, Public Works Director
Debbie Lichwalla, WPCA Secretary
John Batorski, Veolia Water

ABSENT: Rimas Balsys, Vice Chairman

VISITORS: Neil Kulikauskas, Kleinfelder
Dan Gorka, Veolia Water
Brian Plourde, Pustola & Associates

1. **Ron Merancy opened the meeting with the Pledge of Allegiance.**
2. **No Executive Session.**
3. **Old Business.**
 - A. **Commission Discussion Regarding the Facilities Plan Update.**

Neil Kulikauskas of Kleinfelder reported the following updates for **1/21/16.**

Facilities Plan Update:

- A condition assessment site visit at the WWTP was performed on Jan. 5. Pump station evaluation visits are scheduled for Fri. Jan. 22 (tomorrow).
- An energy evaluation site visit at the WWTP was conducted last week.
- Condition assessment reports are being written and compiled.
- An arsenic mass balance memo has been drafted; we are waiting for a couple more data points from Chemtura to confirm initial results.
- Phosphorus removal analysis is continuing.

Incinerator:

- Kleinfelder, TRC, Veolia and Borough met with EPA to discuss requirements for new MACT air emissions compliance.

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SSES:

- Building inspection field work is complete. A total of 123 inspections were performed, including 96 full inspections and 27 exterior only inspections. Numerous illicit or suspected illicit connections were observed including sump pumps, floor drains and roof leaders
- Smoke testing field work is complete. Kleinfelder anticipates receipt of subconsultant report on smoke testing by the end of January. Initial reports indicate numerous inflow sources were found.
- Infiltration Investigations will occur in the Spring during anticipated wet weather conditions

B. Commission Discussion /Action Regarding Contract Amendment No. 4 Agreement for Professional Services Dated April 2013 for Wastewater Facilities Plan and SSES from Kleinfelder.

The (SSI) Sewage Sludge Incinerator System is Subject to EPA Regulation 40 CFR Part 60. The SSI is operated in Compliance with Title V and must be in Compliance with the Regulations and Emission Guideline Limits for Particulates, Hydrogen Chloride, Carbon Monoxide, Dioxin/Furans, Oxides of Nitrogen, Sulfur Dioxide, Mercury, Cadmium and Lead.

The commission voted:

VOTED: Unanimously on a motion by Pat Mallane and seconded by Catherine Aresta to AUTHORIZE Chairman, Ron Merancy to Sign Contract Amendment No. 4 Agreement for Professional Services Dated April 2013 for the Wastewater Facilities Plan and SSES from Kleinfelder.

VOTE: In Favor: 4 Opposed: 0 Abstained: 0

Motion Carried: 4-0-0

C. Commission Discussion / Decision on Authorizing Chairman, Ron Merancy to Sign the Incineration Facilities Lease Contract Administration Memorandum (CAMS) No. IF 2015-1 Dated July 1, 2015.

The commission voted:

VOTED: Unanimously on a motion by Jeff Hanson and seconded by Pat Mallane to AUTHORIZE Chairman, Ron Merancy to Sign (CAMS) No. IF 2015-1 Incineration Facilities Lease Contract Administration Memorandum Dated July 1, 2015.

VOTE: In Favor: 4 Opposed: 0 Abstained: 0

Motion Carried: 4-0-0

D. Commission Discussion / Decision on Authorizing Chairman, Ron Merancy to Sign the Service Contract for Wastewater Treatment System Capital Improvements and Asset Management Contract Administration Memorandum (CAMS) No. SC 2015-1 Dated July 1, 2015.

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The commission voted:

VOTED: Unanimously on a motion by Pat Mallane and seconded by Jeff Hanson to **AUTHORIZE** Chairman, Ron Merancy to Sign (CAMS) No. SC 2015-1 Service Contract for Wastewater Treatment System Capital Improvements and Asset Management Contract Administration Memorandum Dated July 1, 2015.

VOTE: In Favor: 4 Opposed: 0 Abstained: 0

Motion Carried: 4-0-0

- E. On a Motion by Pat Mallane and Seconded by Jeff Hanson to Add to the Agenda: A Revised Site Plan Profile for Property Located on 24 Golden Court Regarding a Proposed Hair Salon.**

The commission voted:

VOTED: Unanimously on a motion by Jeff Hanson and seconded by Catherine Aresta to **ACCEPT and APPROVE** the **Revised Site Plan** Profile and Detail as Submitted for the Proposed Hair Salon for Property Located on 24 Golden Court and Subject to Complying with the following conditions.

Application Approved with the following conditions:

- 1. Complying with the Previous Approval Dated August 20, 2015.**
- 2. Modifying a 4” lateral to a 6” lateral.**

VOTE: In Favor: 4 Opposed: 0 Abstained: 0

Motion Carried: 4-0-0

4. New Business.

A. Commission Discussion Possible Action Regarding the Proposed Athletic Field.

The Borough has an Application in with Zoning to put a Proposed Athletic Field and Lighting in at the end of Osborn Road and Wisteria Drive in the Apple Hills Estate Sub-Division with a Proposed Concession Bath House with Sewer, Water and Electric, within the next 5 years.

The commission voted:

VOTED: Unanimously on a motion by Pat Mallane and seconded by Catherine Aresta to **APPROVE** a Sewer Connection from the Proposed Concession Bath House to Osborn Road in the Apple Hills Estate Sub-Division.

VOTE: In Favor: 4 Opposed: 0 Abstained: 0

Motion Carried: 4-0-0

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5. Correspondence Received and Reviewed. No Additional Discussion, Questions or Comments from the Commission.

- A. Correspondence Received from Chemtura Dated November 20, 2015 regarding the Discharge Monitoring Report for October 2015 for Permit SP0000065.
- B. Correspondence From ARI Dated December 10, 2015 Regarding Monthly Meeting to Discuss Naugatuck Issues.
- C. Correspondence From Veolia Regarding Borough Approval of a Bid Submission to the Town of Cheshire, CT.
- D. Correspondence From Veolia Regarding Borough Approval of a Bid Submission to the Westchester County, NY.

E. On a Motion by Ron Merancy to Add Additional Correspondence to the Agenda: From Chemtura Dated December 18, 2015 Regarding the Discharge Monitoring Report for November 2015 for Permit SP0000065.

No Discussion, Questions or comments from the Commission.

6. Review / Acceptance of Regular Meeting Minutes for November 19, 2015.

The commission voted:

VOTED: Unanimously on a motion by Jeff Hanson and seconded by Catherine Aresta to **APPROVE** the Regular Meeting Minutes for November 19, 2015.

VOTE: **In Favor:** 4 **Opposed:** 0 **Abstained:** 0

Motion Carried: 4-0-0

7. Adjournment.

VOTED: Unanimously on a motion by Pat Mallane and seconded by Jeff Hanson to **ADJOURN** the meeting at 7:11P.M.

8. Attached are the WWTF Monthly Operations Summary Reports for.

- A. **November 2015**
- B. **December 2015**

Attest: Catherine Aresta, Secretary/dl

monthly WPCF Report Nov 2015

This report summarizes the activities at the Borough POW for Nov 2015:

1. **Highlights and Significant Issues:** Please refer to the report.

2. **Collection System Update:**

Please see attached Collections Report.

3. **Plant Performance Summary:**

Please see the attached reports and graphs for additional performance details.

Plant Process Data

	Limit	Actual
Total Suspended Solids (mg/l)		
Influent Avg.	-	439
Effluent Avg.	30	5
Removal Efficiency	85%	99%
Plant Process Data*	Limit	Actual
Carbonaceous BOD (mg/l)		
Influent Avg.	-	518
Eff Avg (Nov 1 - May 31)	25	
Eff Avg (June - Oct 31)	15	4
Removal Efficiency	85%	99%

Discharge Permit Exceedance: None

	Naugatuck	Middlebury	Oxford	OTR
Nov Flow Avg. (MGD)	3.6	0.378	0.043	N/A
Sludge Liquid Total (MGal)				4706.1
Sludge Cake Total (Wet Tons)				4158.3
Septage Total (MGal)	75,390	27,000	173,750	664,650
Discharge Permit Exceedance:	None			

Safety Incidents and Odor Complaints

	Month	YTD
Recordable Accidents	0	0
Lost Time Accidents	0	0
Odor Complaints	1	8
Unconfirmed Odor Complaints	1	1

1. Compliance & Regulatory Issues

- On Nov 12, 2015 a meeting was held at CTDEEP on incinerator emissions. A Compliance Report in addition to a plan on how the MACT will be achieved is due before March 2016 if an extension is to be considered by EPA. Basically, CTDEEP stated a conversation should be taking place sooner than later regarding compliance with the new regulations.
- On Nov 30 a meeting was held with V. Martin, D. Gorka, J. Stewart and Mayor P. Hess to discuss incinerator MACT upgrades, P removal and related topics.

2. Odor Complaints

- There were 2 odor complaints in November.

3. Personnel

- No report.

4. Health & Safety

- The safety meeting was held on Nov.9 & 10th. Thermal Fluid emergencies/training and were the topics.

5. Operational Information

- An emulsion polymer trial for the centrifuges revealed no significant change in dosage or cost savings. We will work with the supplier to further optimize polymer feed.
- The aeration tank internal recycle pump failed and was replaced.

6. Collections

- A call for service was requested for 87 Spencer Street on Nov 1, 2015. The call stated it was a missing manhole. Collections responded and could not locate the missing manhole. The manhole turned out to be a missing valve cover from a buried potable water meter valve.

7. Maintenance

- The North centrifuge was installed
- The south ash slurry pump was replaced
- Two of six sludge cake silo discharge conveyors were changed as well as the 53 FT conveyor.
- In Dec. plows will be replaced on the thermal dryer on days when the sludge inventory is low.
- The main shafts and silicon carbide plates for the bombay doors on the venturi were replaced during a day when the sludge volume was low. Ceramic refractory was applied to the flooded elbow and transition to the tray scrubber.

8. Capital Projects

- No report.

**Borough of Naugatuck
Monthly WPCF Report Dec 2015**

This report summarizes the activities at the Borough POTW for Dec 2015:

1. Highlights and Significant Issues: Please refer to the report

2. Collection System Update:

Please see attached Collections Report.

3. Plant Performance Summary:

Please see the attached reports and graphs for additional performance details.

Plant Process Data		Limit	Actual
Total Suspended Solids (mg/l)			
Influent Avg.		-	267
Effluent Avg.		30	5
Removal Efficiency		85%	98%
Plant Process Data*		Limit	Actual
Carbonaceous BOD (mg/l)			
Influent Avg.		-	144
Eff Avg (Nov 1 - May 31)		25	
Eff Avg (June - Oct 31)		15	4
Removal Efficiency		85%	97%

Discharge Permit Exceedance: None

	Naugatuck	Middlebury	Oxford	OTR
Dec Flow Avg. (MGD)	4.0	0.446	0.043	N/A
Sludge Liquid Total (MGal)				6176.4
Sludge Cake Total (Wet Tons)				4571.7
Septage Total (MGal)	62,210	34,000	155,750	619,650
Discharge Permit Exceedance: None				

Safety Incidents and Odor Complaints

	Month	YTD
Recordable Accidents	0	0
Lost Time Accidents	0	0
Odor Complaints	0	8
Unconfirmed Odor Complaints	1	1

1. Compliance & Regulatory Issues

- Kleinfelder will visit the site Jan 5, 2016 (one of three site visits) for facility plan equipment assessment.
- Wright Pierce will visit the site Jan 7, 2016 to review Bio P modifications.
- On Jan 20, 2016 the Borough will meet with EPA in Boston to discuss incinerator MACT upgrades/extension. Veolia was also invited to that meeting.

2. Odor Complaints

- There were no odor complaints in December. A complaint was received from the Oxford/Naugatuck area and was not related to the facility.

3. Personnel

- No report.

4. Health & Safety

- The safety meeting was held on Dec. 14 & 15th. Office Safety was the topic.
- A Safety Committee meeting was held Dec 18.

5. Operational Information

- Sludge storage receiving tank #4 mixer failed. Repairs will be scheduled.
- The #3 sludge storage receiving tank was cleaned. Grit/rags builds up in those tanks.
- A new rag grinder was installed for the primary sludge pumps.

6. Collections

- The hydraulic motor for the high pressure letter pump failed. Replacement cost

7. Maintenance

- Two sludge feed pumps/grinders with VFD's were ordered for the belt presses (~\$36k). Delivery will not be until March 2016. With the two on order, 4 of 5 pumps will be new.
- The thermal dryer hot oil pump developed a minor seal leak and was replaced on Dec 21 during a scheduled PM.
- Annual incinerator instrument calibrations were performed in December. All instruments were within acceptable ranges.
- The internal tank recycle pump for the aeration tanks will cost ~\$38k to repair. These pumps are under review with the Bio P evaluation.

8. Capital Projects

- No report